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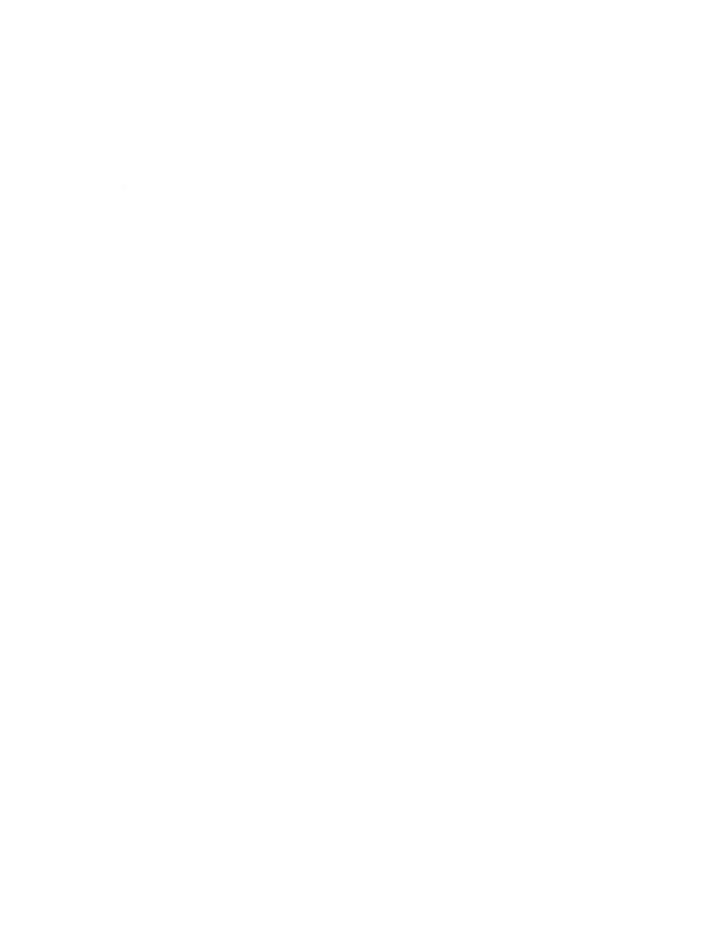
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<sup>(</sup>M. A. ) A. (M. )



ic theory; and, if I mistik not, the disparity originates to some extent in the fact that the political economist has been in the habit of looking upon economic life from the standpoint of commodities, while ordinary people view the same phenomena from their own standpoint - that of man, the embodiment of wants seeking to be satisfied.

In regard to no other term is this difference more apparent than in the use of the armic value. Make is still commonly defined as "The ratio of exchange between commodities", or "purchasing power." If a bushel of wheat exchanges for a hat, each expresses the value of the other, and to tell whether any object has risen in value we must simply ascertain whether it exchanges for more er less of other things than it did before. On the other hand, in popular language value is more directly connected with human feeling. Anything is valuable which satisfies want and cannot a be replaced without effort or sacrifice. The more untent the want whose satisfaction is dependent upon a particular object the greater is the value of the object.

Imagine two hunters meet in a wilderness. One is famishin with nunger and his not include but brandy in his conteen. The other has just been bitten by a rattlesnake and

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has only sandwiches and corree, for refreshment. They will very likely exchange were on the same ratio as if neither were in special need. Considering these consodities by them selves without reference to other goods, the older economic theory would say that their value is not changed so long as they exchange on the same ratio; but every one feels that the special need of the mengives special value to the commodities.

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Again, the economist, taking commodities for his standpoint, would say that a dollar is worth as much to one man as to another so long as it purchases the same amount of goods; but other people have an instinctive sense that dollar is more valuable to a poor man than to a millionaire. When an ordinary laborar had to work hard all day for a sixpence a person innocent of economic study would not say that money was cheap though it required the whole sixpence to buy a pound of fine floor.

Evalue in popular language is measured in huran wents, sacrifice, and erforts, while value in the political economies is measured in commodities.

To such an extent did the idea of commodities dominate the mints of Ricardo's disciples that they looked upon



of labor, and considered the commodities produced beyond their price as so much profit; and even "arshall is criticised by Wagner on the ground "that the laborer is regarded to a means for production as a means for the laborer".

The socialist and the protectionist have pointed out this weakness in the older economics; and, largely under German leadership, the human element has been brought forward until, in the language of Professor Ely, "man is made the beginning and the end of all inquiries and nature is reg arded as his servant."

But while economists have come to recomise human activity as the subject and human welfare as the object of their inquiries, still the provailing system of economic the ory is encumbered with the old conceptions. Until quite recently the more humanizing economists have devoted their efforts to historical and comparative investigations rather than to systematic theory. We are still told that a general rise or rall of values is impossible, and values of commodities are still reckoned in terms of other cornolities.

commodities is constantly changing. An ounce of role will (1) Quarterly Journal of Economics, vol. 5, r. 322. (2) Political Economy. p.109. "Ausgangs punkt, wie Zielfunkt un (over) unseres

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multiple standard has been proposed as a basis for computing the ratio. But, at its best, the ratio conception of value can live us only a system of relations with nothing solid upon which to stand. What student of economics has ever tried to work out a problem such as the ultimate effect of an eight hours day, or of a tax on land, without feeling the that the whole economic system is in the air with no fixed point from which to judge of movements?

Pro lessor Perry notices this difficulty but sees no (1) remedy for it. He says:-

"The notion of value is not conceivable except by a comparison of the things, and what is more, of two things mutually exchanged. Political Economy therefore is based on a relative idea, and has to do from beginning to end with a relation. Mow in this there is an inherent difficulty and a difficulty too which can never be obviated. It lies in the very nature of the sampet. Ten much more readily appreciand an absolute idea than a relative one. They core Wissenschaft ist der Yensch."- Roscher, Quoted in Smart's Introduction to the Theory of value.

<sup>(1)</sup> Elements of Political Economy, p. 54.

easily follow a discussion touching the indepenent attriites of single objects \*\*\*; then a discussion touching
value, which is not an attribute of any one thing, but a relation subsisting between two tings." Grant that value is
merely the ratio of exchance and we have the foundation of
economic theory only unstable commodities for each of which
our esteem is constantly changing; fluctuating with every
change of environment, and with every step of progress.

But why not abandon this colorless concept of value? In common language value denotes not a mere relation but a real attribute of things. To the ordinary man an object which satisfies his mant and saves him trouble is valuable in the same mythat anything which effects the rating of his eye in a certain by gravity is heavy. Value, reduces, heaviness are real attributes of things. It is only when we consider how valuable, how red, or how heavy that we are obliged to bring in other objects for comparison. Its we have already noticed, the popular cencept of value appeals directly to human wants and specifice. The recent development of economic theory is in that direction.

<sup>(1) &</sup>quot;Mars c'est le subjectivité qui domine et - en tous casqui est le point de depart" "C'est par le communison les besoins et des moyens de les stisfaire, que la notion de la (over)



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the centre of all practical investigations, we ought to wellcome the present tendency to make it the center of theory
as well. There can be no doubt but that a temp analysis
of economic laws founded upon the idea of value as a real
attribute instead of a relation of commodifies would make
our science more acceptable to ordinary people.

Such a system must be more substantial than the present on because more true to nature, and more essily aught because more in harmony with popular conceptions.

Adam Smith in making labor the ultimate standard a seems to found the conception of value directly upon human (1) sacrifices, and, notwithstanding the strenuous efforts of valuer s'etablit dans notre esprit."

Maurice Block. Les Progrès de la Science Economique. pp. 114,115.

(1) "Equal quantities of 1-bor, at all times and places, may be said to be of equal value to the laborer. In his ordinary state of health, attenath, and spirits; in the ordinary degree of his shill and dexterity, he must always, lay down the same portion of his orde, his liberty, and his happiness. The price which he pays must lways to the same, whatever may be the quantity of goods which he receives in return for it. Of those inseed he may sometimes purchase a greater and sometimes a smaller quantity; but it is their

their value which which warms wrich varios not the of the laborwhich purchases time.

The calth of Mations, Book 1., compter ".

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is successors, this id: of value has never been entirely eliminated from economic writings.

That the recent ten may to directly connect this idea of value with human welfare 'and been upon the side of utility rather than of labor sacrifice.

The Ricardian economists have always recognized utility as a requisite, though not a determinant of value, but Jerm, while still maintaining the ratio concept of value, prepared the way for its downfall by showing that (1) "first degree of utility determines value."

I was natural that the new treatment of value should have originated in Germany there political economy was at added from the standpoint of social processor them that of wealth for its own sake, an Wieser accredits (2) the first exposition of speculae to the German economists.

(1) "But I am inclined to believe that a ratio is not the

is a certain sense of automator or distrableness, which we have eave with a more to a time apart from any distinct conscious ness of the ratio in a ide it would exchange for other things. I may suggest that this distinct feelin of value is probably identical with the final decree of utility. The Theory of Political Economy, p 180, third edition (3) The Use-value, debt is a greath, of the Austrian accommists (See Naturliche entry, p. 180, note) and the listinguished from the value-in-use of Adam Shit and the Unablish School. The latter is simple atility while the Corner is limited by parainal utility. Other teach and will standard or

ever, use the work Cobinto aventh in the sense of will main-

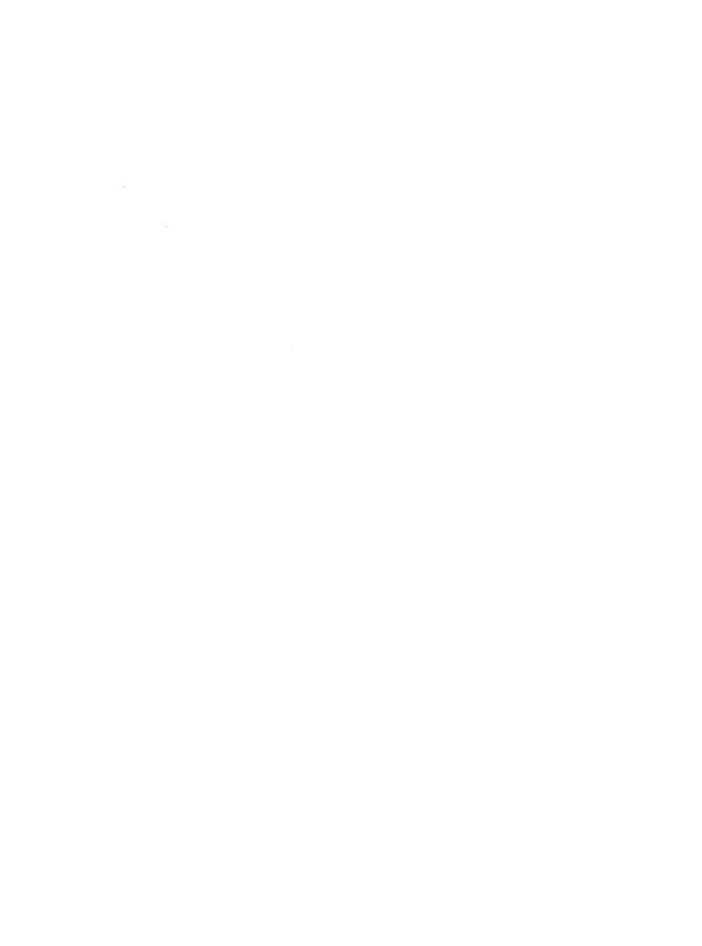
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of value has been most fully recognized and its laws most fully developed on the side of utility; while, i. America, Profes or clark has shown the relation between value, marginal utility, and marginal labor sacrifice; and Professor Profes has leveloped the intimate relation to tween subjective values and social progress.

But let us consider what this word value has consider what the property of the property of the word value has consider what the property of the word value has consider what the property of the word value has consider what the property of the word value has consider what the property of the word value has consider what the property of the word value has considered as the property of the word value has considered as the property of the word value has considered as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the property of the word value has been as the

<sup>(3)</sup> Especially in an article entitled "The Ultimate Standard of Value" which appeared in the Value Review for October 1892.

<sup>(3) \*\*</sup>Especially is The Cheory of Dynamic Moone ics" published by the University of Dynamic Moone ics" published by the University of Dynamic Moone, 1993; and "Die Lede tung der behar von her vizinteen", published in Conrad's yahrbuch; Zritte fol e, Ed. TI., VI.



In recent economic liters use, as self as a popular language, anything is valuable which satisfies want and connot be replaced without effort or sacrifice. Usefulness, or utility denotes a power to satisfy vants, but value has the additional element of sacrifice of substitution. It is the utility that would be lost with the loss of the particular object in question.

Would an article in possession, if removed, be replaced without sacrifice, like the air in a closed room? The measure of its value is nothing. Would it be replaced as some sacrifice? Its value is musged by the sacrifice. Would an imperfect substitute take its place? Its value () is guaged by the two-fold sacrifice entailed.

We may say that our dictionary would be wort a undred dollars to us if no other could be obtained, but so ease

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their collog, electrical address of recreation; if these conditions are supported to obtain a formal of the collog and adjournable to obtain a formal of the collog and adjournable to obtain a formal obtained to obtain a formal

for several reasons: (1) if in offinite that the client to get a mar construct to line of exemptine; (2) It is reclient divided by rultiplied to express any degree of value; and (3) it equates the personal element, one expressions values in terms adapted to the purpose of exempte.

selves a rich man, a processor and a jet dog. Porhaps the jour man would make a great specific to heap the dog, will the rich man cares but little for it. That, however, is a personal valuation, and does not indicate which man will mave the dog. But if the poor man considers it worth five actions to him, while his more fortunate neithbor is ready to pay six belians for it, the nor is process sure to fall to the rich man. The valuations in units of money at the terms from which the ratios of exchange are determined. We let the present social order the collecting pass to the one who site jay most for it, but, o ingle the inequality about men, this is not usually the one who make it nost.

The amount wich I a willing to pay for a revorite picture depends not only upon the importance of the picture to me as a source of matiric tion, but also yet he ignor-



tence of a dollar to me. )

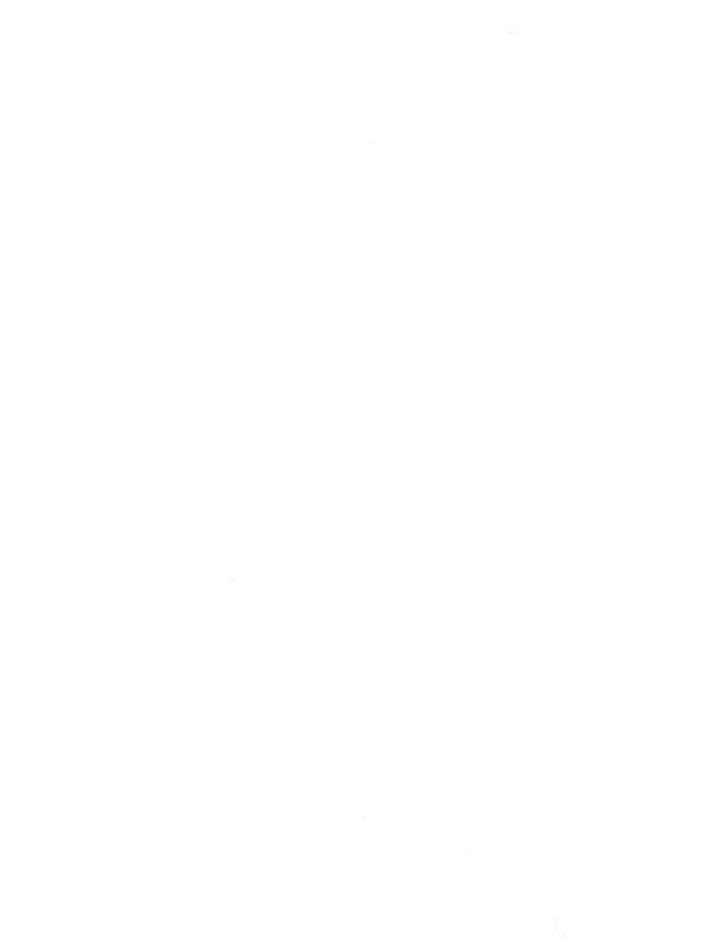
When we speak of the value of a house, or of a cow, we usually refer to the number of dollars that it is worth, but we have no conception of its real value to the owner till walnow his estimation of a dollar. The abount of pleasure or harlship that depends upon its possession.

Values always originate and derive both their meaning and their amount from such considerations of busines well
being though the coloring is largely lost by expressing the...
in terms of dollars and cents. Back of all money values lie
personal values, and money values cannot be explained till
the nature and laws of personal values have been discovered.

ity, while value is subjective and concerns luman wants and so is factions.

Carrie possession of a dollar may be a matter of life

<sup>(1)</sup> When we say that this article is worth two dollars and that article is worth five, a do not consider the fact that a dollar has a very different value to different people - nor do we deny the fact. Values expressed in themselves of the monetary unit are called objective values because the unit is objective. The values themselves are subjective and must vary in the same ratio that the unit varies when referred to different people.



or death to one can while another man would herely lift his finger for so paltry a sum.

Claration in proportion to property or income is justified not on the ground of the benefits derived from government, but or there, or its approximation to equality of specifice.

Ent how may the varying value of the monetary unit to different individuals be revealed and recovered? Two methods are contending for our acceptance, one looking to the utility of the dollar, the other to its cost.

Suprose a man to spend his income, doller by dollar, purchasing goods in the order of their is oftened to him. The utility of the last dollar's worth would determine the value of money to him for that would so the satisfaction which the loss of any dollar would intercept.

On the other hand most people earn money, or at least save it, by fittimin, or otherwise disa receable lathor. If they value a collar himily they will probon their labor till it comes coefically burgensome, but if they place a low estimate upon the loney earned they will stop when the sacrifice of continuing would be slight. One note

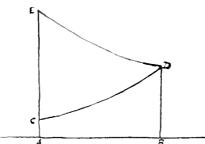
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urally works till the planture to be derived from the possession of another cent is just offset by the displeasure of earning it, and of course one values every other cent in his possession at the same rate.

The Jacritica involved in the earlier hours of labor loss not indicate the value of the earnings, for a dime lost can be replaced only by extending the lator day.

The carnings of the earlier hours will contain a the surplus above the subjective cost of that contain of labor.

(1) Professor Clark, in the Yale Review for Movem er 1892, illustrates these subjective utilities and costs by the following diagrams:



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"A p is the length of the day, while A C is the pain of the earliest labor, and D D that of the last. A E represents the gain [utility] secured by the first product, and D tent of the last. D D is in fact two coinciding lines, of which one measures the funder of the final labor, and the other, the sain of the final consummion. The realAFDC weasures the total sacrifice involved in a day's thor; A DD is the total gain and CTT is a surplus min, representing the not beheaft of a day of in ustry. All mine below the line CD are exactly effect to costs."

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of a dollar to its possessor is best revealed by referring the additional pleasure that it will live or to the displeasure which its possession will save. So for as people regulate their ections with recsor the two methods would is give equivalent results, for it is not reguonable to endure a herdship for money unless the money will yield a pleasure equal to the hardship, nor is it reasonable to shun a hardship until it has become equal to the additional pleasure to be derived from the money which it yields.

It may be claimed that the utility method is of more universal application than the cost method, for so far as labor sacrifice is concerned, many people have fixed incomes, fixed hours of labor, or fixed habits of life which interfere with the natural limitation of the period of labor and the resulting equivalence between the final labor sacrifice and the utility of the final carnings. The music teacher would be glad to give more leasons at the same rate per hour, and more calls would be receptable to the physician. On the other hand nearly everyone, ither in his recalls occupation or outside on it, is often called upon to

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muit of modernia lander, at once or a few tabliance of an index of a mit as we proposed. The lander factor of a contract the near male close of a lander period to the religion of the value of the contract of a lander man of the value of the contract of a lander man of the contract of a contract of a contract of a contract of the contract of a contract of the contr

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Thils to indicate the stative values of the sear thing to distribute people.

The importance and precision of the onetary unit crises from the fact that the system of one price to all is generally prevalent.)

movever and the value of a dollar to different individuals may vary, yet, in as much as it represents to everyone a definite amount of purchasine power, the dollar must rear in the unit of chief importance in commerce.

Every one depends upon commerce for the satisfaction of a larger number or his man's and hence must service his scale of personal valuations on the basis of the unit of purchasing power. He just form a mental estimation of the importance of a follar to him and regulate his economic life in accordance with that estimation.

uation of the unit of prochesing to er and of can edities, determine the course of the de.

but as between individual the dollar is a unit of value,

is a unit of parchasing power r than of value.

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The ideal of socialism only make the unit of personal value, of sacrifice, also the unit of purchasing power but such a dream is far from realization. Under the present social order each one is rewarded in proportion to his contribution to the general welfare, rather than upon the such of the personal effort, or sacrifice involved, and the unit of purchasing power is objective rather than subjective.

We may be willing that personal value and purchasing directly polynomial by the standard of deferred pryments.

we have found the dollar to represent very different values to different individuals, but while this is true it might be possible for the value of a dollar to remain constant accordance to decade the referred to people of a mixed economic condition; or, without any direct reference to its personal importance, the dollar within remain from decade to decade constant in its remaining purchasing power.

In thick case until the dollar be a just at near or defered payment—which would give the Longet dollar?

The progress of industrial development is constantly

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focilitating the production of cosmodities. Nethods are the improved, new resources discorred, and organization is becoming more perfoc.

quantity of roods cruses a full in their personal values on but the dollar also to full in value and thus remain constant in purchasing poler? Or if, on the contrary, the general social development, the increased variety of consumption, and the widening of the circle of wants, should increase the martinal cost, the ser inal utility, and thus the personal valuation of commodities, our to the dollar also to give in value and retain a constant power in exchange?

one tary unit to rate is constant in value though its ratio to commodifies with the age? Though the non-who has borrowed one immored dollars for ten years be compelled to return, estimate the interest, a sum equal to the original loan in probasing power, or in value?

justice would depend for rely upon the contract made between the debror and creditor. The natural rate of interest would

the principle itself to full or rise in value. A depreciating money unit would be balanced by a higher rate of interest, and the conditions of the contract should be fulfilled. On the other hand it may be said that the future counces in the value of the monetary unit are so uncertain that they are very imperfectly, if at all, represented in the rate of interest upon long time loans.

Cathe firmers who complain of an appreciation currency do not see that they are compensated by a low rate of interest upon their mortgames.

The question involves my difficulties. Professor (1)

E. A. Ross—says all agree "that economic justice consists in the exchance of equal values", though he himself abandons that position if marginal utility be accepted as the criterion of value; and We. Merrion—says that "the justice of the debtor's repaying to the creditor a value equal to the value received need not be defended as it is selfom seriously assailed". Mr. Merriam adheres consistently to the final utility, conception of value and regards that as the ideal

<sup>(1)</sup> The Annals, Octobal 393.

<sup>(2)</sup> The Annals, January, 1893.

money which remains constant in final utility to society,

If that the monotary unit shall all mys represent the same

nount of more inal utility or real importance for the well

being of society.

In. Merriam admits that such a constant unit is chimerical, yet as an ideal standard if is well to form a clear idea of its meaning.

which seems to be the criterion of social value? If society, like an individual, would use its total income unit by unit in supplying first its most urgent wants and then first its most urgent wants and then its less urgent wants in order, it is evident that the last units of income would have a utility which would represent the importance or value of each units of the income. Then the idea of value based upon the final utility to society would have a definite subjective meaning, and the value of the unit could be so pared for leade to leade.

But the problem is not so simple. Society loss not satisfy the wants of its harbors in the order of their urgency, but always favors those members who can give most in return for her favors.

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far shead of that to another wan. hile this is so, werginal utility to society can hardly have any definite meaning.

When it is said that the real value of a dollar to society should remain constant we may well ask: To that part of society?

It is quite possible for its value to increase conerally in respect to the debtor class though remaining constant, or decreasing to the creditor class.

In our efforts to regulate the value of the monetary unit should we consider the rich or the poor, the creditor, or the lebtor; or should we take a remeral average of all?

If a general average is chosen upon what principle should the average be hade?

It is now renerally admitted that value is subjective it is nature and that it must be referred to subjective effects eather than to commodities for its ultimate measurement, but, having renormeed commodities as only an artificial standard, we come inevitably upon this difficulty: Any unit of purchasing power must vary in its subjective value according to the economic condition of the person to whom it is referred.

So far in I now fee only attempt to a wire the subjective unit of value by a combined of all the indi(1)
vidual standards is test of Professor Clark, who considers "the rain subfered by society or a whole in the final periods of feily labor" as the altimate unit of value.

It has now been over twenty years since James and Menger set forth the relation of value to final utility, and writers upon economic theory have lone been busy in formulating the law, of subjective value; but Professor Clark has now taken the lead in deducing the scientific menner a subjective unit of exchange value.

(It would be timely, therefore, to rive a solewhat detailed criticism of Professor Clark's concention.

In order to inderstand this conception of the unit of value we fust remarker to the Professor Clark includes under the pain of the final period of labor not only the positive discomfort of the final labor of the day, but elso the other secrifica; such as forecoing the pleasure; which continuing work prevents. Thus the pleasure; in of the discontinuing work prevents.

<sup>(1)</sup> The Ultilate Standard of Telue.
The Wele Deview, Nov. 1891.

is supposed to equal the ellitional plantum to be derived from the linel earnings, and final disutility becomes equal to final utility at the point of time then one chooses to stop work.

The difficulty of establishing this equality between final utility and limitility has already been considered,

(1)

and it is treated at length by Professor Patter, who prefers to confine the meaning of the terms cost and utility to their positive elements, which would leave a surplus of utility above the cost even of the final libor of the day.

Ent granting this equality, let us consider how this unit of "the prin suffered by society as a whole in the final periods of daily labor" is composed.

Unfortunately Projector Clark is not very clear upon this point. He expresses the unit at the sim obtained by adding together the prisonal disutility experienced by each member of society at the point of the when he chooses to stop work, but when one attempts to rive a definite meaning to the conception a question arises in record to the character of these final increments of disutility. Shall they be for equal infinitesiants of time, or for equal infinitesiants.

imals of earnin. In of ar words shall we edd together the disutility which each one experiences from, say the last himte of the day's labor, or should we rather take the distuility involved in earning, say the last cent of the day's wares?

viously be of little use as a standard of value. In the first place, we have no assurance that the sum of disutility would remain constant, for the development of the arts of production tends to lover the marginal disutility of labor, while the increase (variety of consumption and the development of new wants tends to keep people at work till the carcinal disutility is figh. These two tendencies may or may not exactly of each other. If they do not, the standard of value is not constant.)

In the second place there is practically no leans of comparing such a unit of value with the hosektary unit, so long as the final minute of labor represents very different earnings for different tersons.

Professor Clark beys. The price of things corresponds to the pain of acquisition, on which the unit is the

recripios en ciled on a jety yello mach " "incl inate in each of a cosist of drys." The context of own that to do a not refer to the price on mand is promise to disincent tolings, but to the rain to which coclety will sub-A' in order to jurchase the ' irms. In other worth a evident ly lawns that society prize a collectity which solls for two wollies trice as highly as one which salls for ale delhar, and will put forth a respectional effort for its segainition. If the is all he Heart, one can be the greeion his proposition: but what light foor this flower whose The strucker of values So four as one are con early coller i to a final limits of the dry's loos while for mother and the right inutes of thee bun relight are required. how can we betaking the polition between a dollar and this final dispute disputibility to soci ty in managel?

If we could need to sther the execution of every wellor of society for the final minute of the leg's work and
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The a critice involve is the lest cinute of a periof of labor any serve as muit of volue to the individual the closes to stop man if that time, of it is not a unit thick art our can use except the indivious' limbelf. He any take use o it, consciously or unconsciously, in the e gulation of his own economic life, but a unit has some rvised in terms of which the sound of this finel lisufility may estated reconsistely, and commined it' the corresonling sherifiess of other nembers of society. We can compare on the the one or pleasure and plint, rl, in Fret, do so whomever a library on the force for the country Lit we income, but it is not so may the an a differ A. curiors two, there, or tendings on the rest two the list inute of the say's work.



ecor Clark projects, or to average them.

Thus far our study of final labor sacridice has given us no social unit of value in to me of which the real importance of anything to different individuals on he expressed. Much less has a unit been found which can serve as a constant standard of value to society from found to acrde to secule.

Dut instead of taking the final increments of time, let us see if a better result can be reached by considering the disutility involved in securing the last increment of the day's earnings.

Our unit of personal disutility will be that or exercise exeming the last cent rather than that or exercise the last minute.

enced by each number of society respectively, and livide by the number of members, we should up once arrive at the average value of a cent to society.

but here again we lest with the difficulty of expression the subjective feelings of lifterent people in terms

to see the angled in this. We seem to the second in a countries of the second of the s

It may be only, however, that this precious difficulty of minous ment need not interfere with a proble theory or fical charge. We should first better ine and this time wait of value would be one then need to abstracles to its attain but as each of a receiver this second or the standard of the indicated computations could be rade.

Let us sent that the limitality angle of contracts time one electron to stop week in a sense in low off in the state of the same in the same in low of the same in the same and the same an

at receipt he apreciated but her were of winner in hard ment of the 7, 5th a due to hard accounted of \$6 and a have engineer of \$2 a day. Eternating proport de fleuchers me may respect that each broken led tiplates of many will by refreeze led by the weepsopal of his melonet and devided by 10 or 33 - refresent the part of the record of the result of the record of offeet. And it is enclut, that a lighting of a record of later time ir if n's gran il the extense the same of the sent on the part will have minaum that and and change, one this part is any chee of the underiduals

cent of their daily earnin's. Multiply this sum by one hunared, and divide by the number of members in the society. The result will be the average value of one dollar to be reogle involved.)

Li similar calculations made in succeeding years and decides have the same average disutility we could say that the average value of a dollar had not changed.

Would this then be the ultimate standard of social value? Would it also to be just standard of deferred payments?

necessary, for in as much as the value of a dollar must very with the individual we can only take an everage to represent the value to society as a whole; one when the average is taken according to this method any chappe in the value of a dollar to one person will affect the result just as much as an equal chappe or the part of any other necessary, whether rich or poor.

The question in regard to a just stand rel of defected payments is not so entitle chawared. >

Chen one Field man accommodates another with the loan



but if, while the debt is unpaid, both we become poor the number dollars comes to embody a rath greater value to both men, and, from the standpoin of personal value and sacrifice, the repayment of five or fan dollars might just
ly cancel the original obligation.

or as grown poor, such an equalization could be impossible. Either one man would be obliged to repay more (in personal value) than he had received, or the other ould have to accept much less than he had siven. The dollar high has increased in value to one has decreased in value to the other.

In cases where the economic condition of the contraction parties has channed with a debt is standing there seems to be no way of aftaining ideal justice; and expediency may justify the present custom of holding a debtor, except in cases of bankruptcy, to the pryment of the same number of dollars which he had borrowed, irrespective of leir importance to either party.

Mo attempt is made to adjust debts to the ersonal standard of the individual, but the attempt is often made to so regulate the currency that the dollar may emoody of



constant amount of value to society in an . 1.

ratio of exchange, or power in exchange, many writers have taken the ground that constant value to society would mean constant purchasing power; but the r pin procress of industrial development is making so great changes in man's relation to commodities that the theorist is turning naturally to the deeper simificance of value. It is found to be subjective in its nature, and evidently the ultimate standard of value must be a subjective standard.

The principle; of final atility, as necessived in terms of personal gratification or in terms of the disutility of final labor secrifice, rives us the rule for measuring values upon the part of the individual, and the modern conception of society as the social organism has led to the application of the same principle to the determination of social values, and the expressions "Final atility to society" and "Final labor succifice of society" are brought into economic literature.

of exchange, this principle of final utility is, pechaps, the chief price in the determination of prices the chief



Fi me " rely in the theory of prices. )

C. But, as we have already seen, when we attempt to ascertain the real value of the monetary nit itself to find that the conception of a final utility to society will not bear inspection. The final utility of the dollar or the cent varies with each individual.

LTo represent its value to society as a whole retrible contented with an avera e.

Then the que tion arises whether this evertge value of a dollar should remain constant in order to make if the section test possible standard of definite payment.

Contrery to the views commonly expressed, I would question whether, from the standpoint of social welfsre, a unit of constant average value would be the ideal standard of deferred asyment.

Suppose a few members of a community to new very rich, so that the dollar represents much less value to them then formerly; in that case ought the coinage to be restricted or some other leans be resorted to for increasing the value of a dollar to other people enough to help the average constant? It was a first trace of the constant?

- e do not think it unjust if the coller represents

somewhat less toil and unxiety now then it did a few decades ago.

permissions, and a sudden detraction from its value would be robbery, but it may well be questioned whether the nateural depreciation which comes from industrial progress is not moved. Examination justice and social welf rethen a more strictly constant unit of value would be.

Capesidate althouses noticed that a mornally incleasing carrency is conducive to prosperity, and Professor
Ross presents strong reasons for the claim that the debte cannot then the creditor class should response benefit of industrial progress. Of course the debtor whose economic standing her fallen would still suffer hardship in paping his debt, but that is the punishment which society imposes from the unsuccessful, but the debtor whose economic standing has remained stationary would not be obliged to pay to the success of other members of society.

Doubtless the steady approcition in the everage value of a dollar would tend to keep interest somether above the natural rate, but the effect would even inly to all the

the time the money and the content of the structure of the money and the content of the structure of the structured can be sont and to the structured cannot be and the structured contents in loss as I forthe debtors and results in loss as I forthe debtors and the structure of the structured common single contents in loss as I forthe debtors as and the structure of the structure

for a long period of time. Objections arise upon roth sides,

and of deferred pryment would doubtless be a unit whose verse subjective value remain constant, but in a propressive society a slightly depreciating standard seems just as fair, and we may at least conclude that the subject of a just standard of deferred payments would not be entirely settled by the determination of a perfectly constant unit of subjective value.

In is much as the average subjective value of a dollar cannot be exactly determined on account of the difficulty in measuring or comparing the factings of different recycle, if becomes nacessary to judge of value movements by such external signs as are evailable.

Adam Smith regarded the quantity of labor which is willingly given for engthing as a time measure of its value. He speaks of labor as the only universal as well as the only accurate measure of value, or the only standard by wich we can compare the values of different commodities as

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of the runor term if, in it is the runor of the properties of the contract of the properties of the contract o

<sup>(1)</sup> Sigmick in his "Scope and Mathod of Teoronic Science quotes foil tracema, to be in ourselly, no I superfact that "corine car not use of Fillings of Adm Foith's attachment".

It is the fill like is apply a precise description of the dispersion excitors when which Silvink is included, but even for exclusion without to attract is not the office of all proposed, "the different is respectively of incomity as circle of the excitor of the exter criterion of the excitor of the exception of the exception which is a committee of the circle of the exception of the exception which the circle will evaluate?

It is true that Ab. Swith does not keep to the subjective standpoint; in one place labor is regarded as a constant personal sacrifice, but again, it is looked upon as a commodity to be pure used with other cosmodities, get his reson for making labor the ultimate standard is that "in his ordinary state of health, steep th, and spirits; in the ordinary degree of his skill and dexterity", the laborar "must always lay down the same portion or his ease, his linearty, and his happiness."

Thus Adam Smith recognized the truth for which the most recent economic literature is contending - that the ultimate criterion by which the value of anything is to be judged is its relation to subjective wents, cacrifices and satisfaction.

In regarding labor as a particl measure of value he was doubtless wrong, whether the subjective or the objective standard be taken.

Viewed from the subjective standpoint, quantity of labor could be so defined as to be equivalent to quantity of accritice, but as a have seen it is not the foral sacrifice of labor but the marginal sacrifice which corresponds to the final utility and value of the exemines.



Labor is for foot, being a partical measure of value, yet in view of the impossibility of estimating and adding final utilities or the final labor sacrifice of different members of society, it may be the best means we have of comparing the real nature, say of a dollar, to different people at the present time, or to people in general at different times, and in distant places.

commences must be made for differences in the irk(1)

commences of the final labor, whether we are comparing in
dividuals or communities; and for communities we must remem
ber that the value of a dollar is merely an everage of its

value to the individuals.

but, efter all, about the only was we have or judging the in ortance which different people set upon anything is the smount of labor which, in a condition of freedom, they are willing to give for it.

<sup>(1)</sup> It is the irksomeness of the final labor rather than that of the whole dry that must be taken into account. The sluggish negro basking in a southern climate, values the dollar less than the energetic artizan, though le or on the whole is more irksome to him. The artizan, however, continues work till its final disutility to him is greater.

The confice is notive, is to find the order of edge increasing, we can be about the first the value of a delice in the line, but if the precession at manufacture correct if need no follow that the delice is an entrie at reaching of defence paraents. If the advantage of social progress should be to the delice that the delice, a constant precedent to war to the enditor, a constant precedent recovering be effective and one of constant subjective value. It seems guite possible that a carefully alreaged multiple attained, unde up of the principle articles of every are communities and expenditure of the field the last evenilable attaining of effected pagaments.

It will be observed that the majective etanipoint or been care bely maintained throughout the procedure disconsion. The raticle has exicily sensioned the neture and secure ment of the vilue of the rotates; writ. The well founded having expense the line is one or many economicalize in terms of the monetary unit. The exprendition of the way is which there is the early unit. The exprendition as assimes to interest on obtained element ones to the form of

know the significance of a price of the following main:

apprended, we must have the value of the following main.

All other values are appreciated collars and cents. If

we can find the value of a collar preferring to its sur
fective importance, we have the day to the whole spatem.

We fine the subjective in portance of a collar varies with one's economic condition, one to each inliviable, is determined by the final utility of his copy to if, or at a ounts to the name thin a probability of erraing oney at the point of time when the finality is just of rest in the utility of the orange.

We find that the wints of the different memors of society are not satisfied in the order of their moments, and therefore, properly specially, there can be no such (1) time as a final degree of utility to society as a waste.

<sup>(1)</sup> As we have sent, one of ity the yearons no trained the will pay most for it. So the price of the time one of legand you what work that including inefficient illipy to society, but upon its final quee sain perse; that is, upon the smallest of ers to the constitution with the third sole smallest.

It appers, there are, but the vilue of the obligation society can be not an average of its vilue to the individuals. Who co pose the mediaty.

If the average value of a collar is to relie constant the average of its final utility to the different members of society most remain constant, or, what amounts to the same thing, the average disutility of earning a cent at the point of time when that disutility is just balanced by the utility of the cent was remain constant.

However, there is reason to doubt within a unit of undirection of something the property of the relation of determinents.

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On leaving souters in 1988, or truckt The link on Scienti'is argued and one person. Wort Motified at Action, ManuI and the I Science and Litin for one pear in Blenwood Collegiate Institute, New Jersey. Pario the Mollowing we pears he begreed an Action Professor of the Litin
Lunguage and Literature in Alfred University. In 1990, to
resigned that work is order to pursue factors studies, and
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